

Converting Colors

$Y_{xy}(20.9546, 0.2601, 0.4375)$

Have a look what the booklet for
Yxy(20.9546, 0.2601, 0.4375)
contains.

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Color

$\text{Yxy}(20.9852, 0.2601, 0.4380)$

Conversions

Conversions Part 1

Format	Color
Hex	189060
RGB	24, 144, 96
RGB Percent	9%, 56%, 38%
CMY	0.9059, 0.4353, 0.6235
CMYK	0.83, 0.00, 0.33, 0.44
HSL	156°, 71%, 33%
HSV	156°, 83%, 56%
XYZ	12.4618, 20.9852, 14.4645
YIQ	102.6480, -56.1120, -40.3680

Conversions

Conversions Part 2

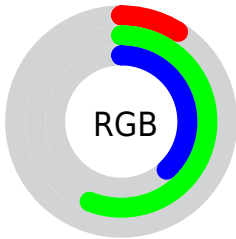
Format	Color
RYB	24, 99, 144
Decimal	1609824
CIELab	52.93, -43.12, 16.80
CIELCh	53, 46.274, 158.711
Yxy	20.9852, 0.2601, 0.4380
Android (android.graphics.Color)	4279799904 (0xFF189060)
YUV	102.6480, -3.2775, -68.9743
Hunter-Lab	45.8096, -31.6088, 13.3458

Details

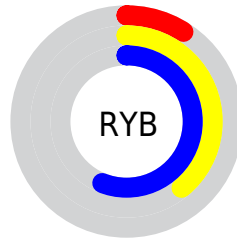
The Yxy color **20.9852, 0.2601, 0.4380** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.0501, 0.4841, 0.2626**, and the grayscale version is **13.4861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1776, 0.2730, 0.4110**, and **7.8760, 0.2663, 0.4787** is the 20% darker color. If you saturate the color by 10%, you get **20.7516, 0.2609, 0.4530**, and if you desaturate by 10%, it is **21.3215, 0.2612, 0.4228**.

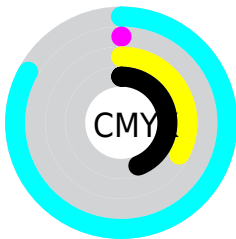
Distribution



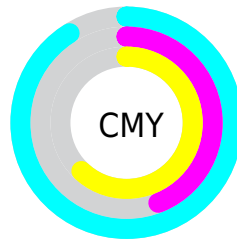
- Red (9%)
- Green (56%)
- Blue (38%)



- Red (9%)
- Yellow (39%)
- Blue (56%)



- Cyan (83%)
- Magenta (0%)
- Yellow (33%)
- Black (44%)





- Cyan (91%)
- Magenta (44%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9852, 0.2601, 0.4380 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 20.9852, 0.2601, 0.4380 by changing the saturation by 10% instead.


 20.9852, 0.2601,
0.4380


 20.9852, 0.2601,
0.4380


257.1998, 0.2915,
0.3728


 13.1132, 0.2499,
0.4593


 45.0629, 0.2731,
0.4110

 7.5065, 0.2349,
0.4907


 62.0374, 0.2775,
0.4019


 3.7809, 0.2109,
0.5409

 82.8148, 0.2810,
0.3946

 1.5517, 0.1374,
0.6914

 107.7795, 0.2838,
0.3887

 0.3247, 0.0000,
1.0000

 137.3160, 0.2862,
0.3837

 0.0000, 0.0000,
0.0000

 171.8086, 0.2883,

0.3795

211.6418, 0.2900,
0.3759

■ 20.9852, 0.2601,
0.4380

■ 20.9852, 0.2601,
0.4380

■ 20.7516, 0.2609,
0.4530

■ 21.3215, 0.2612,
0.4228

■ 20.6258, 0.2619,
0.4629

■ 21.7712, 0.2643,
0.4077

■ 22.3461, 0.2691,
0.3930

■ 23.0559, 0.2753,
0.3789

■ 23.9094, 0.2828,
0.3657

■ 24.9144, 0.2912,
0.3535

■ 26.0785, 0.3002,
0.3423

■ 27.4084, 0.3095,
0.3322

■ 28.9106, 0.3191,
0.3231

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.9852, 0.3382, 0.4840



20.9852, 0.2601, 0.4380



20.9852, 0.2007, 0.3486

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.9852, 0.2601, 0.4380



20.9852, 0.2076, 0.2036



20.9852, 0.4768, 0.3556

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.9852, 0.2601, 0.4380



7.0501, 0.4841, 0.2626

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.9852, 0.4337, 0.2969



20.9852, 0.2601, 0.4380



20.9852, 0.2690, 0.2142

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.9852, 0.2601, 0.4380



20.9852, 0.1753, 0.2196



20.9852, 0.3527, 0.2471



20.9852, 0.4666, 0.4162

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.9852, 0.2601, 0.4380



20.9852, 0.1782, 0.2913



20.9852, 0.3527, 0.2471



20.9852, 0.4682, 0.3355

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.9860, 0.2601, 0.4380



43.5330, 0.2893, 0.3561



21.3906, 0.3326, 0.5553



9.8527, 0.2866, 0.3599



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.9860, 0.2601, 0.4380



36.3447, 0.2627, 0.4658



18.7106, 0.2216, 0.3035



6.0803, 0.3040, 0.3379



17.9656, 0.2617, 0.4621



0.1761, 0.2434, 0.3963

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.0501, 0.4841, 0.2626



10.9581, 0.5380, 0.2738



7.2569, 0.5809, 0.3428



5.4576, 0.3223, 0.3202



5.4300, 0.5317, 0.2703



0.0561, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 20.9852, 0.2601, 0.4380 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 20.9852, 0.2601, 0.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.9852, 0.2601, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 20.9852, 0.2601, 0.4380.



This preview shows how white text looks on a background with the Yxy color 20.9852, 0.2601, 0.4380.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.9852, 0.2601, 0.4380

Protanopia

20.6061, 0.3698, 0.3959

Deuteranopia

20.7253, 0.3693, 0.3638



Tritanopia

20.8455, 0.2325, 0.3050

Trichromacy



Original Color

20.9852, 0.2601, 0.4380

Protanomaly

19.6908, 0.3131, 0.4149

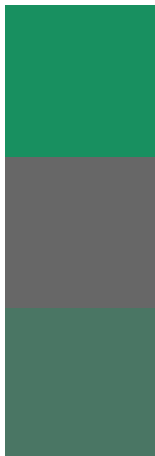
Deuteranomaly

19.4261, 0.3133, 0.3905

Tritanomaly

20.8815, 0.2414, 0.3499

Monochromacy



Original Color

20.9852, 0.2601, 0.4380

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.3328, 0.2807, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9852, 0.2601, 0.4380 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(24, 144, 96)` looks like.

```
.text, #text, p{  
    color:rgb(24, 144, 96)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(24, 144, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 144, 96) }
```

Border

The CSS property to change the border of an element to Yxy 20.9852, 0.2601, 0.4380 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(24, 144, 96) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(24, 144, 96) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(24, 144, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 144, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 144, 96);  
box-shadow:4px 4px 4px 4px rgb(24, 144,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9852, 0.2601, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 144, 96) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(24, 144,  
96) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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